



2 Rollers

series

Self cleaning



The rubber rings are held in position at either end by a steel ring welded to the tube.

2.6.3 - Return rollers with helical rubber rings for self cleaning

Used on the return transom to support the belt when the material being conveyed, even if only a little sticky, is very viscous.

The helical spiral form of the non-abrasive rings, assembled onto the base roller shell, performs a cleaning action and reduces the tendency of material to deposit itself and stick to the surface of the dirty side of the belt.

They may be employed on any part of the return belt section in the case of short conveyors.

On long sections it is satisfactory to employ these rollers only up to the point where the material does not adhere any more to the belt surface.

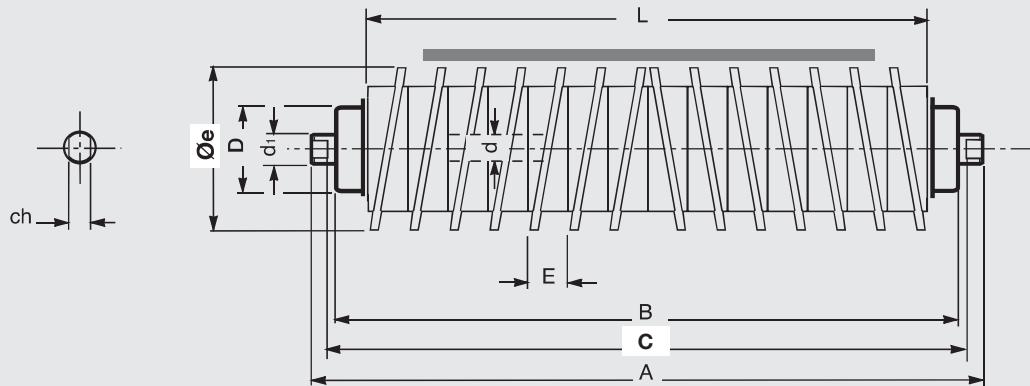
These rollers should not be employed as snub rollers adjacent to the drive or return drums.

The table indicates the types and diameters of standard rings with dimensions according to European norms.

On customer request different diameters and dimensions may be supplied.

Programme

| base roller type | D mm | s | Øe mm | standard design | spindle d | ch | bearing |
|------------------|------|---|-------|-----------------|-----------|----|---------|
| MPS/1 | 60 | 3 | 108 | NM | 15 | 17 | 6202 |
| | 89 | 3 | 133 | NM | | | |
| PSV/1-FHD | 63 | 3 | 108 | NM | 20 | 14 | 6204 |
| | 89 | 3 | 133 | NM | | | |
| | 89 | 3 | 180 | NM | | | |
| PSV/2-FHD | 89 | 3 | 133 | NM | 25 | 18 | 6205 |
| | 89 | 3 | 180 | NM | | | |
| PSV/3-FHD | 89 | 3 | 133 | NM | 25 | 18 | 6305 |
| | 89 | 3 | 180 | NM | | | |
| PSV/4-FHD | 89 | 3 | 133 | NM | 30 | 22 | 6206 |
| | 89 | 3 | 180 | NM | | | |



Øe 108 NM

Base roller:

MPS/1

D = 60;
spindle 15; d₁ = 20
bearing 6202
ch = 17

PSV/1-FHD

D = 63;
spindle 20; d₁ = 20
bearing 6204
ch = 14

| belt | roller | | | | | |
|-------------|---------------|------|------|-----------|-----------|----------------------|
| width mm | dimensions mm | | | weight Kg | | rings width E = 38,5 |
| arrangement | B | C | A | MPS/1 | PSV/1-FHD | L |
| 300 | 380 | 388 | 406 | 4.1 | 5.0 | 310 |
| 400 | 500 | 508 | 526 | 5.7 | 6.7 | 460 |
| 500 | 600 | 608 | 626 | 6.6 | 7.8 | 540 |
| 650 | 750 | 758 | 776 | 8.3 | 9.7 | 695 |
| 800 | 950 | 958 | 976 | 10.7 | 12.3 | 925 |
| 1000 | 1150 | 1158 | 1176 | 12.7 | 14.5 | 1080 |
| 1200 | 1400 | 1408 | 1426 | 15.3 | 17.5 | 1385 |



Example of ordering
standard design
PSV/1-FHD,20F,108NM,758

for special designs
see pages 80-81



2 Rollers

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The rubber rings are held in position at either end by a steel ring welded to the tube.

Øe 133 NM

Base roller:

MPS/1
D = 89;
spindle 15; d₁ = 20
bearing 6202
ch = 17

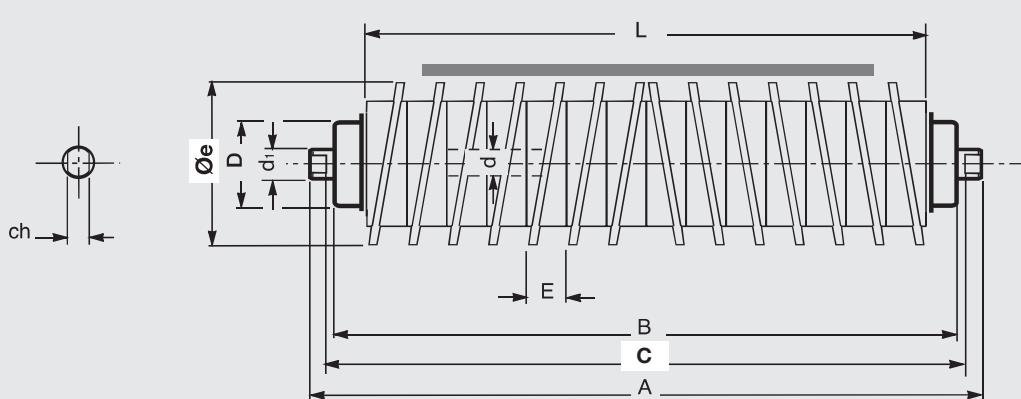
PSV/1-FHD
D = 89;
spindle 20; d₁ = 20
bearing 6204
ch = 14

PSV/2-FHD
D = 89;
spindle 25; d₁ = 25
bearing 6205
ch = 18

| belt | roller | | | | | | | | | |
|-------------|----------|---------------|------|------|-----------------|-----------|-----------|-----------|------|----------------------|
| | width mm | dimensions mm | | | | weight Kg | | | | rings width E = 38,5 |
| arrangement | | B | C | A | MPS/1 PSV/1-FHD | PSV/2-FHD | PSV/3-FHD | PSV/4-FHD | | |
| 400 | 500 | 508 | 526 | 532 | 7.3 | 8.2 | | | 460 | |
| | 500 | 600 | 608 | 626 | 632 | 8.6 | 9.5 | | | 540 |
| | 650 | 750 | 758 | 776 | 782 | 10.7 | 11.8 | 13.3 | | 695 |
| | 800 | 950 | 958 | 976 | 982 | 13.7 | 15.0 | 16.5 | | 925 |
| | 1000 | 1150 | 1158 | 1176 | 1182 | 16.2 | 17.7 | 19.5 | 19.9 | 22.0 |
| | 1200 | 1400 | 1408 | 1426 | 1432 | | 21.4 | 23.5 | 23.9 | 26.5 |
| | 1400 | 1600 | 1608 | | 1632 | | | 26.5 | 26.9 | 29.8 |
| | 1600 | 1800 | 1808 | | 1832 | | | 29.5 | 29.8 | 33.0 |

Example of ordering
standard design
PSV/1-FHD,20F,133NM,758

for special designs
see pages 80-81



Øe 180 NM

Base roller:

PSV/1-FHD

D = 89;
spindle 20; d₁ = 20
bearing 6204
ch = 14

PSV/2-FHD

D = 89;
spindle 25; d₁ = 25
bearing 6205
ch = 18

PSV/3-FHD

D = 89;
spindle 25; d₁ = 25
bearing 6305
ch = 18

| belt | roller | | | | | | | | | |
|-------------|----------|---------------|------|------|-----------|------|-----------|-----------|-----------|----------------------|
| | width mm | dimensions mm | | | | | weight Kg | | | rings width E = 38,5 |
| arrangement | | B | C | A | PSV/2-FHD | | PSV/1-FHD | PSV/3-FHD | PSV/4-FHD | |
| PSV/4-FHD | 500 | 600 | 608 | 626 | 632 | 15.7 | 16.7 | | 540 | |
| | | 650 | 750 | 758 | 776 | 782 | 19.7 | 20.9 | | 695 |
| | | 800 | 950 | 958 | 976 | 982 | 25.6 | 27.0 | | 925 |
| | | 1000 | 1150 | 1158 | 1176 | 1182 | 30.0 | 31.8 | 32.2 | 1080 |
| | | 1200 | 1400 | 1408 | 1426 | 1432 | 36.3 | 38.4 | 38.7 | 1385 |
| | | 1400 | 1600 | 1608 | | 1632 | | 43.3 | 43.7 | 46.6 |
| | | 1600 | 1800 | 1808 | | 1832 | | 48.0 | 48.4 | 51.7 |
| | | | | | | | | | | 1770 |



Example of ordering
standard design
PSV/1-FHD,20F,180NM,1158

for special designs
see pages 80-81